

COURSES OF INSTRUCTION



BULLETIN OF
FLORIDA PRESBYTERIAN COLLEGE
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Florida Presbyterian College

College of Arts and Sciences

The tremendous increase in numbers of college age Americans seeking a higher education is one of the great challenges facing the United States in the next decade. While the establishment of Florida Presbyterian College will perform a service in meeting this demand for quantity, the primary orientation of this institution is to meet the imperative need for a truly quality education in order to meet the fabulous foreseeable and the unknown future facing the American people.

Florida Presbyterian College recognizes that an education at any institution of higher learning is largely dependent upon what the student wishes to make of it. It shall be a basic tenet of this college, however, that a quality education implies far more than an opportunity to acquire new information. The vocation of a student should be inspired and encouraged by, in Newman's words, "living teaching". No effort in teaching is too great if it arouses a life-long curiosity and respect for things of the mind and spirit, and instills a continuing drive for excellence. These are the characteristics that Florida Presbyterian College will attempt to develop in its students.

College Calendar of Events

1960-1961

Sept. 2-3,	Friday and Saturday	Orientation Period. Incoming Freshmen are expected to arrive on campus before 12:00 noon on Friday, September 2.
Sept. 4,	Sunday	Ground breaking for the beginning of construction.
Sept. 5,	Monday	Inauguration of the first President of Florida Presbyterian College.
Sept. 6,	Tuesday	First day of classes.
Sept. 15,	Thursday	10:00 A.M. Meeting of the Board of Trustees.
Nov. 15,	Tuesday	Inauguration Year Artist - Lecture Series Program.
Nov. 23,	Wednesday	5:00 P.M. Thanksgiving Recess commences.
Nov. 28,	Monday	8:00 A.M. Thanksgiving Recess ends.
Dec. 15,	Thursday	10:00 A.M. Meeting of the Board of Trustees.
Dec. 17,	Saturday	1:00 P.M. Semester ends and Christmas Recess commences.
Jan. 3,	Tuesday	Mid-Winter Term commences.
Jan. 17,	Tuesday	Inauguration Year Artist-Lecture Series.
Jan. 30,	Monday	Mid-Winter Term ends.
Feb. 1,	Wednesday	Second Semester commences.
March 16,	Thursday	10:00 A.M. Meeting of the Board of Trustees.
March 21,	Tuesday	Inauguration Year Artist-Lecture Series.
March 30,	Thursday	5:00 P.M. Easter Recess commences.
April 7,	Friday	8:00 A.M. Easter Recess ends.
May 31,	Wednesday	5:00 P.M. Second Semester ends.
June 15,	Thursday	10:00 A.M. Meeting of the Board of Trustees.

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Introduction

The courses of instruction to be offered at Florida Presbyterian College are described in this publication. The particular number of each course conveys the following information:

The two digits to the left of the decimal point (**11.3**) identify the course.

The first digit of the two digits to the left of the decimal point (**11.3**) designates the course level — **1** and **2** as freshman and sophomore level courses, typically, and **3** and **4** as junior and senior courses.

The digit to the right of the decimal point (**11.3**) indicates course credit in terms of semester hours. For continuous courses of two semesters this digit designates credit for each semester's work.

The letter **a** following the digit to the right of the decimal (11.3a) indicates that the course will be offered beginning in 1961-62 or 1963-64 and alternate years; **b** indicates that it will be offered beginning in 1962-63 or 1964-65 and alternate years. The absence of **a** or **b** signifies that the course is taught each year.

The symbols **I** or **II** following the course title indicate the semester in which a course is offered. When both **I** and **II** appear, it signifies that the course is continuous for two semesters; however, in no such case is credit for the first semester of the course contingent on the taking of the second semester of that course.

Before students enroll in any course they are encouraged to check the pre-requisites of a course and, if necessary, seek the advice of their faculty advisers. In general, courses at the 11 level are pre-requisite to 21 level courses and 21 level courses to most advanced courses. (The next publication of the **Courses of Instruction** will indicate specific requirements for the advanced courses.)

Near the close of the school year each freshman is expected to prepare a tentative course program for the remaining three years of college and to present it to his or her adviser for critical evaluation and counsel. At the end of the second year of study each student must submit for approval to the Committee on Academic Review his or her program as planned insofar as an intended major field of study and further elective courses are concerned. Revisions in a student's program can be made at any time thereafter providing the approval of a major professor is given.

Most of the courses are listed according to academic divisions and academic disciplines or fields of study within each division. Listed separately are the inter-disciplinary courses, i.e., those taught jointly by members of several fields or areas of knowledge. Courses are conducted typically on the basis of three lecture-discussion periods per week supplemented by "X" periods, studios or laboratories.

It should be noted that course descriptions are not given for the Junior General Seminars and Senior Advanced Seminars included among the course offering in each area in which a major is offered. The reason is that a professor is free to vary his offerings each year according to student interest and his own study and research. It should be further noted that students receiving the endorsement of the professors in their major field may take the equivalent of two courses each semester during their senior year in a program of guided independent research and in lieu of the senior seminar each semester.

The course program presented herein was designed by leading scholars from colleges and universities throughout the country at several major curriculum conferences.

Courses of Instruction

INTER-DISCIPLINARY COURSES

- 11.6 Western Civilization and Its Christian Heritage..... I, II
Each period in recorded history is studied in terms of man's religious, scientific, social, economic and political development and its literary, artistic and musical works. The course spans the events from the period of the pre-Greek cultures to current developments and trends in the modern world.
The first semester covers the pre-Greek era, Greece, Rome and the Middle Ages, the second semester from the Renaissance to the beginning of the 19th Century.
At the very onset of the course and particularly throughout this first year emphasis is placed upon the impact of the Judeo-Christian tradition and its meaning as it relates to all knowledge. The historical-redemptive message as revealed in the Holy Scriptures is seen as central in the interpretation of man's sojourn.
Four lectures and two (one and one-half hour) discussion periods per week.
- 21.4 Western Civilization and Its Christian Heritage..... I, II
The first semester covers the development of civilization in the 19th and 20th centuries through World War I. The second semester deals exclusively with the 20th century since World War I.
Three lectures and two (one and one-half hour) discussion periods per week.
- 31.3a Civilizations of Asia..... I, II
A cultural and historical analysis of the civilizations of Asia and their interaction with Western civilizations.
Three lectures and a two hour discussion period per week.
- 41.2 The Christian Faith and Great Issues..... I, II
A study of the relevance of the Christian faith to current community and world issues.
One lecture and a two hour discussion period per week.

THE DIVISION OF HUMANITIES

ART

Requirements for a Major: (a) Art 21 and a minimum of 6 other courses in art; (b) supporting work in other areas of the humanities, history, sociology, psychology and in the case of some, studio work and mathematics.

- 21.3 Introduction to the Language of the Visual Arts..... I, II
By means of a correlated series of both written analyses and exercises executed in the materials of the artist, a student is introduced to the elements of

two and three dimensional design and the function of subject and the natural world in the creation of artistic forms. While the emphasis of the course is on the formal language of the visual arts, a considerable part of its purpose will be to clarify the meaning and implications of the concept of style as the locus of the social and historical relations of art to each other. The course is intended to supply a foundation in the language of art that will serve the purposes of future work in both the historical-critical areas and in studio work conceived as a liberal art.

31.3a	Classical Art	I
32.3a	Medieval Art	II
33.3b	Renaissance Art	I
34.3b	Baroque Art	II
37.3	Junior General Seminar	I, II
41.3a	Modern Painting	I
42.3a	Modern Architecture and Sculpture	II
43.3b	Oriental Art	I
44.3b	Art of the Christian Church	II
	<i>Emphasis is on the relation between art and worship and art as a manifestation of theological attitudes, art as a critique of the church, etc.</i>	
47.3-6	Senior Advanced Seminar	I, II

Studio courses at the 21, 31 and 41 level will be offered but as yet have not been defined.

LANGUAGES AND LITERATURE

Classical Languages and Literature

Requirements for Classics Major: (a) Greek 11, 21; (b) Latin 31; (c) Ancient History; (d) independent study.

Requirements for Latin Major: (a) Latin 11, 12 or the equivalent; (b) 7 additional courses including Religions and Philosophies of the Roman Empires, Ancient History and independent study. The Latin Major provides adequate preparation for teaching in secondary schools.

GREEK

11.3	Elementary Greek	I, II
	<i>Essentials of Greek grammar leading to the reading of classical and New Testament Literature. Selections from Homer are read in the second semester.</i>	
21.3	Reading from Plato, Euripides and the New Testament	I, II
31.3	Special Readings in Greek Literature	I, II
	<i>Work on a tutorial basis in literature selected to fit the student's special interests.</i>	

LATIN

11.3	Elementary Latin	I, II
	<i>The fundamentals of Latin grammar and structure. Early reading of continuous Latin passages. Special attention given to Latin as the basis of the Romance languages and to the relation of Latin to English. Laboratory training in Latin pronunciation and forms.</i>	
21.3	Intermediate	I, II
	<i>For students who have had two or three years of high school Latin or Latin 11. Thorough review of vocabulary, forms and syntax; reading in prose selections. Virgil's Aeneid will be read in the second semester. Laboratory training.</i>	
31.3	Essay, Drama and Lyric	I, II
	<i>For students who have had four years of high school Latin or Latin 21. First semester: Cicero's De Senectute or De Amicitia, a play of Plautus or Terrence. Second semester: Horace's Odes.</i>	
37.3	Junior General Seminar (Latin or Greek in translation)	I, II
41.3a	Readings in Latin Prose and Poetry	I, II
	<i>First semester: Selections revealing Roman private and public life . . . letters of Cicero and Pliny, readings from Livy and Tacitus. Second semester: selections from Lucretius, Catullus, Ovid, Marital, Juvenal.</i>	
42.3b	Special Readings in Latin Literature	I, II
	<i>Work on a tutorial basis in literature selected to fit the student's special interests.</i>	
47.3-6	Senior Advanced Seminar (in Latin or Greek)	I, II

English Language and Literature

Requirements for Major: English 21, 31, 32, 33 and four additional courses.

11.0	English Grammar and Sentence Structure	I, II
	<i>A course for freshmen who demonstrate inadequate proficiency in the use of English.</i>	
21.3	The Search for and Judgment of Values	I, II
	<i>Course in the analysis, comparison and appraisal of human values concretely expressed in literature.</i>	
31.3	World Literature	I, II
	<i>Works in English translation from a selected group of literary masterpieces of particular significance to Western culture.</i>	
32.3a	History of English and American Literature	I, II
33.3b	Literary Criticism	I
	<i>The literature, vocabulary, and practice of literary analysis and evaluation.</i>	
34.3b	Creative Writing	II
	<i>The writing of fiction, drama, verse, persuasion and exposition.</i>	
35.3a	Shakespeare	I
36.3a	Milton	II

37.3	Junior General Seminar	I, II
38.3a	Recent Poetry	I
39.3b	Recent Drama	II
41.3b	Selected Authors	I
42.3b	Selected Authors	II
43.3a	World Fiction	I
44.3a	World Drama	II
45.3b	World Poetry	I
46.3b	World Prose (non-fiction)	II
47.3-6	Senior Advanced Seminar	I, II

French Language and Literature

Major Requirements: French 11 and 21 (or the equivalent), 31, and four additional courses.

11.3	Elementary French	I, II
	<i>Essentials of French grammar with emphasis on conversation. Laboratory training.</i>	
21.3	Intermediate	I, II
	<i>A review of grammar with special emphasis on reading and conversation. Laboratory training.</i>	
31.3	History of French Literature	I, II
	<i>A review of French literature from its origins to the present day.</i>	
32.3b	Advanced Composition and Phonetics	I
	<i>An intensive study of grammar. Specifically designed for those intending to teach the language.</i>	
33.3a	The Classical Period	I
	<i>A study of the life and principal works of Corneille, Moliere and Racine.</i>	
34.3a	The French Novel of the Nineteenth Century	II
37.3	Junior General Seminar	I, II
41.3b	Contemporary Drama	II
	<i>Emphasis on the works of Anouilh, Camus, Claudel, Gide, Giraudoux, Romaines and Sartre.</i>	
42.3b	Poetry	I
	<i>A consideration of the development of French poetry from its beginning to the present day with emphasis on the poetry of the Pleiade, Romanticism, Parnassianism and Symbolism.</i>	
47.3-6	Senior Advanced Seminar	I, II

German Language and Literature

Requirement for a Major: German 11 and 21 (or the equivalent), 31 and four additional courses.

11.3	Elementary German	I, II
	<i>Fundamentals of German grammar with emphasis on conversation. Laboratory training.</i>	

21.3	Intermediate German	I, II
	<i>Review of grammar according to the needs of the class, reading of moderately difficult prose and verse by modern and classical authors, and emphasis on conversation. Laboratory training.</i>	
31.3	History of German Literature	I, II
	<i>Review of German literature from its origins to the present day.</i>	
32.3a	German Romanticism	I
	<i>A study of the Romantic Age as exemplified in the works of Arnim, Brentano, Eichendorff, Hoffmann, Kleist, Novalis and Tieck.</i>	
33.3a	Modern German Literature	II
	<i>A study of modern German writers including Hauptmann, Kafka, Mass and Rilke.</i>	
34.3b	Lytic Poetry	I
	<i>German lyric poetry from the Minnesag to the present.</i>	
37.3	Junior General Seminar	I, II
41.3b	Goethe's <i>Faust</i>	I
42.3b	The German Drama from Kleist to the Expressionists	II
47.3-6	Senior Advanced Seminar	I, II

Spanish Language and Literature

Requirements for a Major: 11 and 21 (or the equivalent), 31 and four additional courses.

11.3	Elementary Spanish	I, II
	<i>Essentials of Spanish grammar with emphasis on conversation. Laboratory training.</i>	
21.3	Intermediate Spanish	I, II
	<i>Review of Spanish grammar and reading of representative Spanish novels and plays. Laboratory training.</i>	
31.3	History of Spanish Literature	I, II
	<i>A review of Spanish literature from its origins to the present day.</i>	
32.3b	Advanced Composition and Phonetics	I
	<i>Specifically designed for those intending to teach the language.</i>	
33.3a	Cervantes	I
	<i>A thorough study of the life and works of Cervantes, including Don Quixote and other important works.</i>	
34.3a	Golden Age Drama	II
	<i>A study of the works of the major dramatists of this period, including Ruiz de Alarcon, Calderon, Tirso de Molina, Lope de Vega.</i>	
37.3	Junior General Seminar	I, II
41.3b	Modern Spanish Drama	I
	<i>A study of the most significant works of modern Spanish drama.</i>	
42.3b	Modern Spanish Novel	II
	<i>A study of the most significant of modern Spanish novels.</i>	
47.3-6	Senior Advanced Seminar	I, II

Russian Language

11.3 Elementary Russian

To be offered beginning in 1962-63.

21.3 Intermediate Russian

To be offered beginning in 1963-64. Advanced courses to be specified at a later date.

MUSIC

Requirements for a Major: Music 11, 21 and six additional courses.

Freshmen and sophomores receive the equivalent of one hour for a semester of applied music, upperclassmen two hours. A music major must earn twelve hours. A prospective secondary school teacher may have no more than eight hours in one field. Freshmen and sophomores earn an hour for a year of ensemble participation, upperclassmen two hours. A music major must participate in an ensemble during each semester of residence.

11.3 Theory of Tonal Harmony..... I, II

Instruction in notation, sight singing, dictation and ear-training, keyboard harmony. Analysis and composition in small homophonic forms.

21.3 Advanced Theory of Tonal Harmony..... I, II

Analysis and composition in more complex homophonic forms.

31.3 Theory of Model Counterpoint..... I

Analysis and composition in the style of Palestrina.

32.3 Theory of Tonal Counterpoint..... II

Analysis and composition in the style of Bach.

33.3 Historical Survey of Music..... I, II

Emphasis is on the chronological study of music literature in its relation to general cultural history. Designed specifically for students majoring in other fields. The junior year is the earliest in which the course may be taken.

37.3 Junior General Seminar..... I, II

41.3 Orchestration and Conducting..... I

42.3 Advanced Form, Analysis and Composition..... II

47.3-6 Senior Advanced Seminar..... I, II

Applied Music: Individual instruction is offered in Voice, Organ, Piano, Wind, Brass and String Instruments.

PHILOSOPHY

Requirements for a Major: Philosophy 21, 22, 31, 32, 41, 42 and four additional courses.

21.3 Ethics..... I

Main types of ethical theory and their implication to contemporary problems of personal and social morality.

22.3 Logic and Scientific Method..... II

A study of the elements of inductive and deductive logical systems with an introduction to symbolic logic.

31.3	History of Greek and Hellenistic Philosophy	I
	<i>Study from primary sources of ancient philosophy from pre-Socratic through the Roman schools.</i>	
32.3	History of Medieval Philosophy	II
	<i>Study from primary sources of philosophical development from the beginning of the Christian Era through the late medieval schools.</i>	
33.3a	Philosophy of Religion	I
	<i>A critical inquiry into religious concepts and practices with special reference to Christianity.</i>	
37.3	Junior General Seminar	I, II
41.3	History of Modern Philosophy	I
	<i>Study from primary sources of the development of modern philosophy from the Renaissance through the empiricist and rationalist traditions of Kant.</i>	
42.3	History of Modern Philosophy	II
	<i>Study from primary sources of the development of modern philosophy from Kant through the 19th century with attention to American philosophy.</i>	
43.3b	Contemporary Philosophical Movements	I
	<i>A study of such major philosophical movements of the 20th century as pragmatism, existentialism, process philosophy, philosophical analysis with special reference to their treatment of crucial modern problems.</i>	
47.3-6	Senior Advanced Seminar	I, II

RELIGION

Requirements for a Major: (a) Religion 21, 22, 31, (b) Philosophy 21, 22 and (c) four additional courses from Religion and including Philosophy 33.

21.3	Introduction to the Old Testament	I
	<i>Development of the faith of Israel as seen in the religion and literature of the Old Testament.</i>	
22.3	Introduction to the New Testament	II
	<i>Development of the Christian faith as seen in the religion and literature of the New Testament. Emphasis is placed on the life and teachings of Jesus.</i>	
31.3a	Essentials of Christian Thought	I, II
	<i>A study of Christian thought in the works of representative leaders. First semester: from Paul through the Middle Ages. Second semester: from the Reformation to the present.</i>	
32.3b	Christian Ethics	I
	<i>A study of the Biblical foundations of Christian Ethics and the implications of Christian commitment in contemporary personal and social life.</i>	
33.3b	Religions and Philosophies of the Roman Empires	II
	<i>The basic philosophies underlying Roman thought and Christianity.</i>	
37.3	Junior General Seminar	I, II
41a	World's Living Religions	I
	<i>A critical study of the major religions of the contemporary world.</i>	

42b	Religion in America.....	II
	<i>A study of the history, teaching and present status of American religious denominations.</i>	
47.3-6	Senior Advanced Seminar.....	I, II

SPEECH

21	Principles of Voice, Diction and Oratory.....	I
31	Principles of the Theatre.....	I

THE DIVISION OF HISTORY AND THE SOCIAL SCIENCES

HISTORY

Requirements for a Major: (a) History 33 and seven additional courses; (b) Civilizations of Asia.

21.3	History of the United States.....	I, II
	<i>The development of American Society in government, economic life and culture.</i>	
22.3	History of England and of Modern Britain.....	I, II
	<i>The first semester treats the history of the English people to 1688. The second semester traces the development of a modern industrial society and its imperial expansion.</i>	
23.3b	Ancient History.....	I
	<i>The Ancient world from pre-historic times to the decline of the Roman Empire.</i>	
31.3a	Medieval History.....	I
	<i>The history of Western Europe from the decline of the Roman Empire through the thirteenth century.</i>	
32.3a	Renaissance and Reformation.....	II
	<i>The history of Western Europe from the fourteenth through the sixteenth century.</i>	
33.3	Introduction to Historiography and Historical Method.....	I
	<i>An introduction to the techniques of historical research and writing, the use of sources, and the examination of selected classics of historical interpretation.</i>	
34.3b	History of Modern Russia.....	I
	<i>Russia from the accession of Peter the Great to the present, with emphasis upon the period since the 1917 revolution.</i>	
35.3b	History of Modern Latin America.....	II
	<i>Latin-American Republics from their independence to the present.</i>	

36.3a	History of American Foreign Policy	
	<i>American foreign policy considered as part of the larger problem of American participation in world affairs.</i>	
37.3	Junior General Seminars	I, II
41.3b	Europe from the French Revolution to World War I	I, II
	<i>The cause of the French Revolution and its effects, the Industrial Revolution, political and social movements of the nineteenth century and the background of World War I.</i>	
42.3b	American Social History	I, II
	<i>Selected topics in American social history from the colonial period to the present.</i>	
47.3-6	Senior Advanced Seminar	I, II

ECONOMICS

Requirements for a Major: (a) Eight courses including Economics 21, 31, 32; (b) Mathematics 24. Students wishing to emphasize Business rather than Economics will substitute Economics 33 and 34 for Economics 31, 32 and take four additional courses.

21.3	Principles of Economics	I, II
	<i>An introductory course in the principles of economics and their application to modern economic life.</i>	
31.3	History of Economic Thought	I
	<i>Development of economic thought, from the Mercantilists to the modern period, as expressed in such writings as those of Smith, Ricardo, Mill, Marx, Veblen, Keynes, Marshall, and other significant theorists.</i>	
32.3	Economic Theory	II
	<i>An advanced and intensive study and application of the principles of economics.</i>	
33.3	Principles of Accounting	I
	<i>Intended to provide a general knowledge of accounting practices. Concerned primarily with the theory and construction of accounts and the preparation and interpretation of financial statements. Laboratory training.</i>	
34.3	Introduction to Business	II
	<i>Designed to give the student general knowledge of the various activities of a business, such as production, marketing, etc.</i>	
35.3a	Money and Banking	I
	<i>A study of the fundamental principles of money, credit and banking in the United States.</i>	
36.3a	Labor Economics	I
	<i>A study of the development, structure, goals, and policies of labor organizations; major issues in labor-management relations; and public policy toward the labor unions.</i>	
37.3a	Junior General Seminar	I, II

38.3a	Comparative Economic Systems	I
	<i>A study of the significant similarities and differences in the development, processes, and policies of Capitalism, Fascism, Socialism, and Communism.</i>	
39.3a	International Economics	II
	<i>A study of the basic principles and problems of international economics, with particular reference to the international economic policy of the United States.</i>	
41.3b	Government Finance	I
	<i>A study of the sources of public revenues, federal, state and local; nature and purposes of public expenditures; and the creation and management of the public debt.</i>	
42.3b	Corporate Organization and Finance	II
	<i>A study of the problems involved in the formation and financial management of corporate business enterprise.</i>	
43.3b	Government and Business	I
	<i>A study of the role of the government in economic life, with emphasis upon the regulation of competition and monopoly, and of public utilities.</i>	
44.3b	Economic History of the United States	II
	<i>A study of the growth of agriculture, industry, banking, trade, and labor organizations in the United States.</i>	
47.3-6	Senior Advanced Seminar	I, II

EDUCATION

Students who are considering a teaching career at the secondary or junior college level should seek counsel on their course program early in their college training. In this way their course schedules can be planned to meet credential requirements.

21.3	History and Philosophy of Education	I
	<i>The development of the public school system and contemporary issues and historical philosophies of education. Emphasis is placed on the role of the school in a democratic society.</i>	
22.3	Educational Psychology	II
	<i>The application of psychological principles to the work of the school. Emphasis is placed on learning, motivation, forgetting, transfer of training and personality adjustment.</i>	
31.3	Principles of Secondary Education	I
	<i>Emphasis is upon aims and organization.</i>	
32.3	Materials and Methods in Secondary Education	II
	<i>A survey and critical analysis of the methods used in secondary education. Methods and materials used in the specific subject for which certification is requested.</i>	
33.3a	Child Psychology . . . (See Psychology)	I
34.3a	Psychological Measurement . . . (See Psychology)	II

- 41.3 Organization of Library Materials** **I**
Instruction in the fundamental principles of the organization of small libraries; includes procedures for acquisition, preparation, classification and cataloging materials.
- 42.3 Reference and Bibliography**..... **II**
A study of general reference books and reference materials in specific subject fields suitable for school and community use. Emphasis is placed on evaluation, selection, and uses to be made of such materials.
- 43.3 Reading Method**..... **II**
Instruction and practice in ways and means of improving reading ability, particularly of high school students.
- 44.3 Student Teaching**..... **I, II**
Observation and teaching activities in high schools in the vicinity of the college.

GOVERNMENT

Requirements for a Major: Government 21, 22, 23, 31, or 32, 33 or 34 and four additional courses.

- 21.3 Principles of Government and Politics** **I**
Introduction to political science, including scope and methods of the discipline; purposes and nature of the state; organization, forms and function of government; competition for governmental power; politics among nations; and some of the great issues of politics and government.
- 22.3 American National Government and Politics**..... **II**
Theory and practice of modern democracy through analysis of the constitutional foundations, patterns of politics, and the structure and functioning of the American national government.
- 23.3 International Relations** **I**
Nature and principles of traditional international law. Evolution of interstate organizations for law enforcement and other purposes. Emphasis on United Nations and related agencies.
- 24.3a American State and Local Government** **II**
Constitutional structures and principles, organizational forms, the politics of control, functions and problems. State and municipal governments and inter-governmental relations emphasized.
- 31.3a Comparative Governmental Systems** **I**
Comparative method in the study of various foreign governments, including some reference to comparisons with the American system. Emphasis is on Great Britain and the Commonwealth nations, West Germany and France.
- 32.3a Comparative Governmental Systems** **II**
Emphasis is on the Soviet Union and Far Eastern nations.
- 33.3b Western Political Thought**..... **I**
The great thinkers and important philosophical movements of the Western political heritage. From the ancient Hebrews and Greeks through the Middle Ages, with emphasis on Plato, Aristotle, Stoicism and Roman legal theory, and Christian thought.

34.3b	Western Political Thought	II
	<i>From Machiavelli to the twentieth century, emphasizing the use of modern democratic and totalitarian theories.</i>	
37.3	Junior General Seminar	I,II
41.3b	American Foreign Policy	I
	<i>Formulation and execution of American foreign policy. Analysis of substantive issues in recent and contemporary policies.</i>	
42.3	Introduction to the Law	I
	<i>Nature of law and its functions in society. The rule of law. Types of law and legal systems. Problems of legal philosophy. American constitutional law, with some experience in case method.</i>	
43.3	Politics and Policy Formation	II
	<i>Forces, institutions and processes in the competition for power and policy, with special reference to the United States. Public opinion, propaganda, political behavior, interest groups, leadership and particularly political parties and the legislative process.</i>	
47.3-6	Senior Advanced Seminar	I, II

PHYSICAL EDUCATION

P.E. 11, 21	I, II
	<i>A two year program of Physical Education is required of all students for graduation. This program includes a study of the history and philosophy of Physical Education, Physical Hygiene and training in the rules and skills of tennis, baseball, watersports, golf, football, soccer, gymnastics, etc. Students are expected to demonstrate proficiency in swimming sometime during the first semester of the first year. The course is designed throughout to meet the needs and interests of each student.</i>	
	<i>The course shall be conducted on the basis of one lecture-discussion period and one two-hour activities-demonstration period per week. Providing a student has satisfactorily completed all phases of the program, course credit (three hours) is awarded at the end of the fourth semester of the program.</i>	
	<i>Students who have been excused by the college physician from participation in activities periods are expected to do additional class assignments.</i>	

PSYCHOLOGY

	<i>Requirements for a Major: (a) Psychology 21, 22 and six additional courses; (b) Mathematics 24.</i>	
21.3	Principles of Behavior	I
	<i>Major concepts, methods and problems involved in the study of human behavior.</i>	
22.3	Principles of Behavior	II
	<i>Emphasis on the processes which contribute to the development of the individual as a person.</i>	
31.3b	Behavior Disorders	I
	<i>Origins, classifications, care and treatment of the common behavioral disorders.</i>	

32.3b	Social Psychology	II
	<i>The influence of social variables on the behavior of the individual; social perception, language, attitudes, propaganda; social problems.</i>	
33.3a	Child Psychology	I
	<i>The child from birth to puberty, studied in terms of basic psychological principles.</i>	
34.3a	Psychological Measurement	II
	<i>The construction, administration and interpretation of group and individual tests of intelligence, personality, interests and achievement. Laboratory training.</i>	
35.3	Experimental Psychology	I
	<i>Scientific methodology, design and critical evaluation of classical and contemporary research. Emphasis is placed on the discriminial processes and perception. Individual research is conducted.</i>	
36.3	Experimental Psychology	II
	<i>Critical evaluation of research in motivation and learning. Emphasis on crucial experiments and controversial issues. Individual research is conducted.</i>	
37.3	Junior General Seminar	I, II
41.3a	Personality Theory	I
	<i>Theories of personality examined in the light of recent research.</i>	
42.3a	Business and Industrial Psychology	II
	<i>Psychological procedures in employment selection, training, efficiency and human relations.</i>	
43.3b	Systems of Psychology	I
	<i>Integrative theories, including Structuralism, Functionalism, Behaviorism, Hormic Psychology, Gestalt Psychology and Psychoanalysis.</i>	
44.3b	Physiological Psychology	II
	<i>Physiological correlates of behavior. Special emphasis on the nervous system.</i>	
47.3-6	Senior Advanced Seminar	I, II

SOCIOLOGY AND ANTHROPOLOGY

Requirements for a Major: (a) Sociology 21, 22, 41 and five additional courses; (b) Mathematics 24.

21.3	Cultural Anthropology	I
	<i>An understanding of culture is developed in relation to pre-literate societies and an introduction to Physical Anthropology and Archeology is provided.</i>	
22.3	Principles of Sociology	II
	<i>The study and application of major sociological concepts is undertaken: social processes, institutions, structure and group relations.</i>	
31.3	The Family	I
	<i>Examination of the origins of the family institutions and contemporary processes in the formation of the family, its functions and organization.</i>	
32.3	Social Work	II
	<i>A survey of the fields and methods of social work.</i>	

33.3b	Minorities	I
	<i>Problems associated with identification of minority groups — racial, religious, ethnic.</i>	
34.3b	Criminology	II
	<i>The nature, causes, prevention of crime and the treatment of criminals.</i>	
37.3	Junior General Seminar	I, II
41.3a	Social Theory	I
	<i>Systematic analysis of major contributions to the field of social thought since Comte.</i>	
42.3a	The Community	II
	<i>The folk society is contrasted with contemporary rural and urban life. An introduction to human ecology and demography.</i>	
47.3-6	Senior Advanced Seminar	I, II

THE DIVISION OF MATHEMATICS AND THE NATURAL SCIENCES

MATHEMATICS

Requirements for a Major: Mathematics 11, 21, 22 and eight additional courses.

11.3	Finite Mathematics	I
	<i>Logic, truth tables, sets and relations, number systems and counting, probability theory, vectors and matrices. (Taken by all entering students.)</i>	
12.3	Mathematics and Man	II
	<i>Impact of mathematics on man as seen through the centuries from Pythagoras to the present. (Terminal course for non-science majors.)</i>	
13.3	Algebra and Trigonometry	I
	<i>Functions, equations, inequalities, analytical trigonometry. (For students whose background is deficient, as demonstrated by performance in Mathematics 11.)</i>	
21.3	Calculus with Analytic Geometry (I)	II
	<i>Plane analytic geometry integrated with calculus of polynomials.</i>	
22.3	Calculus with Analytic Geometry (II)	I
	<i>Calculus of transcendental functions, formal integration, application, mean value theorem.</i>	
23.3	Calculus with Analytic Geometry (III)	II
	<i>Infinite series, solid analytic geometry, calculus of functions of several variables, linear differential equations with constant coefficients.</i>	
24.3	Introduction to Statistics	I
	<i>Frequency and probability distributions, central tendencies, correlation, least squares approximation, statistical inference. Laboratory training.</i>	

31.3	Differential Equations	I, II
	<i>Ordinary differential equations the first semester. Partial differential equations the second semester.</i>	
32.3a	Modern Algebra	I, II
	<i>Topics from groups, rings, fields, vector spaces, matrices.</i>	
37.3	Junior General Seminar	I, II
41.3b	Advanced Calculus	I, II
	<i>Topics from advanced calculus and functions of a real variable.</i>	
47.3-6	Senior Advanced Seminar	I, II

BIOLOGY

Requirements for a Major: (a) Biology 11, 21, 33, 41 and 34 or 42; (b) Chemistry 11 and Physics 21. Biology majors preparing for medical school should add Biology 43.

11.3	General Biology	I, II
	<i>This course provides an understanding of and appreciation for biological mechanisms and principles. It accomplishes its purpose through critical analysis of life processes and synthesis of basic facts and concepts. Through lecture and laboratory work (3 hours per week) on selected plants and animals, attention is directed toward the nature of living matter, the cell and protoplasm, metabolism, reproduction, development, inheritance, the organism and its environment, and evolution.</i>	
21.3	Comparative Vertebrate Anatomy	I, II
	<i>A comparative study of the structure and evolutionary development of the organs and systems of selected representatives of the phylum Chordata. Consideration is also given to morphological features in relation to classification and to mode of life and adaptation to the environment. In the second semester emphasis is placed on mammalian anatomy. Laboratory work on selected animals — 3 hours per week.</i>	
31.3	Organic Evolution	I
	<i>A consideration of current theories of the origin of life, the phylogenetic relationships of living organisms, Darwinian and neo-Darwinian concepts of evolutionary mechanisms. Genetics and isolation are emphasized. Human culture and the impact of Darwinism are related.</i>	
32.3	Field Botany	II
	<i>A study of the distribution and identification of plants in the St. Petersburg area. Laboratory work and field trips.</i>	
33.3b	Vertebrate Embryology	I
	<i>The study of the development of the vertebrate body from single-celled egg to hatching or birth. The formation of organ-systems is given considerable attention, along with the experimental approach to animal development. Laboratory work — 3 hours per week.</i>	
34.3	Genetics	II
	<i>A basic consideration of the fundamental principles and mechanisms of inheritance. Lecture and laboratory work (3 hours per week) cover the contribution of nucleus and cytoplasm to heredity, environmental influences, genes, Mendelian and non-Mendelian inheritance.</i>	

37.3	Junior General Seminar.....	I, II
41.3a	Physiology	I
	<i>The functional relationships of the animal body. Cellular metabolism and the physics and chemistry of organic substances are emphasized.</i>	
42.3a	Histology and Microtechniques	II
	<i>A study of the microscopic nature of cells and tissues of organisms. Laboratory work emphasizes staining techniques, microscope slide preparation, and advanced use of the microscope. Laboratory work — 3 hours per week.</i>	
43.3	Ecology	I
	<i>A consideration of the physical, chemical, and biological interrelationships in a natural community. Lecture-discussions and laboratory (3 hours per week) direct attention toward environmental factors, populations, the community concept, traffic in energy and biogeochemical cycles, and social organization of animal groups. Field work is essentially aquatic, and done in nearby freshwater lakes and Gulf bays.</i>	
44.3	Plant Physiology.....	II
	<i>A study of the functional relationships of plant structures, metabolism, photosynthesis, osmotic and water relations, absorption and transfer of materials.</i>	
47.3-6	Senior Advanced Seminar.....	I, II

CHEMISTRY

Requirements for a Major: (a) Chemistry 11, 21, 31, 41; (b) German 21; (c) Physics 11; (d) Mathematics 22, 23. Entering students who demonstrate superior background in Chemistry as evidenced by their performance on a specially prepared Chemistry achievement examination may omit the taking of the first semester of Chemistry 11 and begin with the second semester of that course.

11.3	Modern General Chemistry.....	I, II
	<i>A survey of the basic principles of chemistry and a study of recent developments. Structures of chemical species will be stressed, particularly the relationships of these structures to the physical and chemical properties of substances. The descriptive chemistry of familiar elements and inorganic compounds and an introduction to ionic separations and the detection of selected ions will be investigated. Three lectures and three hours of laboratory work per week.</i>	
21.3a	Analytical Chemistry.....	I, II
	<i>A study of the various inorganic ions is introduced by qualitative analysis, and the principles of chemical equilibria are presented. Quantitative analysis of various inorganic and organic compounds are made by volumetric and gravimetric methods. Emphasis is placed upon stoichiometry, theory, and industrial applications. Two lectures and six hours laboratory work per week.</i>	
31.3b	Organic Chemistry	I, II
	<i>Aliphatic and aromatic carbon compounds are considered with emphasis on methods of syntheses, reactions mechanisms, and structural theory. Laboratory experiments will be selected to develop skill in fundamental laboratory techniques and to illustrate the more important synthetic methods of preparation. Three lectures and three hours of laboratory work per week.</i>	

- 32.3b Special Topics in Inorganic Chemistry** **I**
Lectures and seminars are used to study the periodic classification of the elements and to correlate structures and properties of chemical species. Emphasis is placed upon atomic and molecular structure, chemical bonding, modern acid-base theory, inorganic nomenclature, coordination complexes, metal carbonyls, etc. The laboratory will be concerned with inorganic syntheses. Two lectures and three hours of laboratory work per week.
- 33.2b Special Topics in Advanced Analytical Chemistry**..... **II**
An introduction to instrumental methods of analysis such as electrometric pH measurement, conductometric and electrometric titration, polarography, colorimetry, etc., is stressed, with particular emphasis on theory and laboratory applications. One lecture and three hours of laboratory work per week.
- 37.3 Junior General Seminar**..... **I, II**
- 41.3 Physical Chemistry**..... **I, II**
The principles of theoretical chemistry are studied with emphasis on the solution of numerical exercises. Studies of the three states of matter, elementary thermodynamics, colloids, solutions, homogeneous and heterogeneous equilibria, reaction kinetics, atomic structure, and electrochemistry are undertaken. A variety of physio-chemical apparatus is used in the laboratory to illustrate theoretical concepts. Three lectures and three hours of laboratory work per week.
- 42.2b Special Topics in Qualitative Organic Analysis**..... **I**
Emphasis is on the identification and characterization of organic compounds, typical reactions which are used in the synthesis and proof of structure of organic compounds, and the qualitative detection of various functional groups. One lecture and six hours of laboratory work per week.
- 43.3a Special Topics in Advanced Organic Chemistry** **I**
Lectures or seminars will be concerned with such topics as resonance theory, reaction mechanisms, molecular rearrangements, free radicals, etc. The laboratory will stress the use of the chemical library, research techniques, and organic syntheses. Two lectures and three hours of laboratory work per week.
- 44.3a Special Topics in Advanced Physical Chemistry**..... **II**
Lectures or seminars will be concerned with topics such as thermodynamics, solutions and phase equilibria, nuclear chemistry, particles and waves, the structure of matter, chemical statistics, chemical kinetics, surface chemistry, photochemistry, etc. The laboratory will stress the use of the chemical library and various physiochemical research techniques. Two lectures and three hours of laboratory work per week.
- 47.3-6 Advanced Senior Seminar**..... **I, II**

PHYSICS

Requirements for a Major: (a) Physics 21, 32, 35, 36, 41, 44 and two additional courses in Physics or Mathematics; (b) Mathematics 22 and 23. An entering freshman who is intending to major in Physics will take Chemistry 11 the first year, Physics 21 and Math 22 and 23 the sophomore year.

11.3	Introduction to Physical Science	I, II
	<i>A study of the discovery and growth of basic physical theories from Galileo to the present. Emphasis is placed on the meaning of science and scientific method. Three lectures and three hours of laboratory work per week.</i>	
21.3	Elementary Physics	I, II
	<i>The concepts and theories of classical physics on an elementary level, including topics of mechanics, wave motion, sound, heat, optics and electricity and magnetism. Three lectures and three hours of laboratory work per week.</i>	
31.3	Elementary Modern Physics	I
	<i>A presentation of basic topics of atomic and nuclear physics, generally from a descriptive point of view. Three lectures and three hours of laboratory work per week.</i>	
32.1	Advanced Laboratory and Techniques	I, II
	<i>A series of intermediate level experiments drawn from classical physics to be chosen by each student with the consent of the instructor. Instruction in such laboratory techniques as machine work, glass blowing, and electronics is also offered. Six hours of laboratory work per week.</i>	
33.3a	Electronics	I
	<i>Theory and application of electronic devices. Three lectures and three hours of laboratory work per week.</i>	
34.3a	Astronomy	I
	<i>Descriptive astronomy of the solar system, the galaxy and the universe. Three lectures and three hours of laboratory work per week.</i>	
35.3	Classical Theoretical Mechanics	I
	<i>The dynamics of particles, systems of particles, and rigid bodies. Vector methods are employed. Three lectures and three hours of laboratory work per week.</i>	
36.3	Electricity and Magnetism	II
	<i>Principles of magnetism, static and dynamic electricity. Vector methods are employed. Three lectures and three hours of laboratory work per week.</i>	
37.3	Junior General Seminar	I, II
41.3b	Modern Physical Theories	I, II
	<i>Atomic and nuclear processes and theories. Three lectures and three hours of laboratory work per week.</i>	
42.3b	Thermodynamics	I
	<i>Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. Three lectures and three hours of laboratory work per week.</i>	
43.3	Optics	II
	<i>Geometrical optics and lens aberrations, interference diffraction and polarization. Three lectures and three hours of laboratory work per week.</i>	
44.1	Advanced Laboratory	I, II
	<i>A series of more advanced experiments drawn from atomic and nuclear physics to be chosen by each student with the consent of the instructor. Six hours of laboratory work per week.</i>	
47.3-6	Senior Advanced Seminar	I, II

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